Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/09/2021 09:09 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126232	0	2.75	126301	2.71
Blue	F	SSC	125000	124880	-1	4.01	125784	3.95
Blue	E	FITC	14203	13852	-3	3.13	301	15.03
Blue	D	PE	25703	25608	-1	2.84	555	10.38
Blue	B	PerCP-Cy5-5	42104	41269	-2	3.60	922	14.49
Blue	A	PE-Cy7	34646	34658	0	4.81	496	28.99
Red	C	APC	49824	49286	-2	3.32	1513	11.39
Red	A	APC-Cy7	39773	39138	-2	3.44	728	11.83
Violet	B	V450	7447	7199	-4	4.08	396	12.71
Violet	A	V500	31193	30306	-3	3.94	683	9.83

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22342	3.03	546	-10	N/A	N/A	Pass
Blue	F	SSC	54602	3.44	512	0	N/A	N/A	Pass
Blue	E	FITC	55	51.89	483	-3	0.0420	72	Pass
Blue	D	PE	109	37.53	485	0	0.4214	287	Pass
Blue	B	PerCP-Cy5-5	174	35.30	576	-1	0.0198	38	Pass
Blue	A	PE-Cy7	111	64.86	621	1	0.0227	6	Pass
Red	C	APC	351	24.04	568	1	0.0288	129	Pass
Red	A	APC-Cy7	201	25.29	546	2	0.0066	1158	Pass
Violet	B	V450	90	38.61	454	5	0.0436	1140	Pass
Violet	A	V500	121	26.43	472	5	0.0272	374	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.34	-31.95	0.94
Blue	20.37	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.39
Red	20.85	15.99 - 23.99	N/A	N/A	30.27	30.59	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 14546

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments